

Contact: Diana Gonzalez

**PROPOSED REVISIONS FOR THE IOWA STATE UNIVERSITY**  
**2015-2016 GENERAL CATALOG**

**Action Requested:** Consider approval of the proposed revisions for the 2015-2016 General Catalog at Iowa State University.

**Executive Summary:** The new courses represent additions due to new knowledge as well as restructuring in some areas. In addition to the proposed course changes, ISU's request describes three new programs approved by prior action of the Board (ESAC 5, April 2014; ESAC 6, July 2014 and ESAC 4b, February 2015), two program eliminations (ESAC 6, April 2014; and ESAC 7, October 2014), and two new minors. The request for the proposed revisions was reviewed by the Board Office and is recommended for approval. This report addresses the Board of Regents Strategic Plan priority to provide "educational excellence and impact" and Goal #8 "Iowa's public universities and special schools shall be increasingly efficient and productive."

**Background:**

- ❖ The ISU Faculty Senate Curriculum Committee requires that, with few exceptions, new courses must be offered experimentally to determine if a department or program is able to staff them and if sufficient interest exists to justify adding them to the Catalog.
- ❖ Courses in the 2014-2015 Catalog that have not been taught in some time will be dropped.
- ❖ The proposed revisions included an addition of 123 new courses and the elimination of 195 courses, which resulted in a net decrease of 72 courses. The new courses are primarily due to new program offerings.
- ❖ The net increase in the College of Agriculture and Life Sciences resulted from the addition of concurrent programs. The net increase in the College of Human Sciences resulted primarily from the addition of two new graduate programs. The net increase in the College of Liberal Arts and Sciences resulted from two new concurrent programs, two new minors, and a new certificate program.

**SUMMARY OF PROPOSED REVISIONS**  
**2015-2016 GENERAL CATALOG**

College	New Courses	Dropped Courses	Net Change	Course Number Change	Credit Value Change	Title Change
Agriculture & Life Sciences	16	12	+4	3	3	7
Business	4	7	-3	0	0	6
Design	25	104	-79	6	0	0
Engineering	20	25	-5	0	0	13
Human Sciences	12	6	+6	1	5	21
Liberal Arts and Sciences	37	28	+9	8	1	25
Veterinary Medicine	7	11	-4	0	0	1
Interdisciplinary Programs	2	2	0	0	0	2
<b>TOTAL</b>	<b>123</b>	<b>195</b>	<b>-72</b>	<b>18</b>	<b>9</b>	<b>75</b>

## SUMMARY OF PROGRAM CHANGES

### PROGRAMS ADDED BY PRIOR BOARD ACTION

- ✎ Master of Science and Ph.D. in Gerontology (July 2014, ESAC 6)
- ✎ Master of Engineering in Energy Systems (April 2014, ESAC 5)
- ✎ Master in Business Analytics (February 2015, ESAC 4b)

### PROGRAMS ELIMINATED BY PRIOR BOARD ACTION

- ✎ Master of Public Administration (April 2014, ESAC 6)
- ✎ Master of Arts and Ph.D. in History of Technology and Science (October 2014, ESAC 7)

### NEW MINORS

- ✎ Leadership Studies
- ✎ Teaching English as a Second Language

The following summary describes trends that underscored the proposed course changes in the colleges:

- ✦ The **College of Agriculture and Life Sciences** undergraduate enrollment was at another all-time high in Fall 2014 (4,475) which placed significant pressure on lecture and laboratory capacity; some students were unable to enroll in courses because space was unavailable. Faculty members with substantial teaching and advising responsibilities are feeling significantly increased demands on their time by students. Concurrent degree programs in Agricultural Systems Technology/MBA and Industrial Technology/MBA were approved.
- ✦ The **College of Business** Management faculty restructured the undergraduate management curriculum and approved an update to the management and entrepreneurship requirements. The supply chain faculty approved a restructuring of the undergraduate supply chain curriculum. Proposals for concurrent Master of Science in Economics/Master of Finance, MBA/Master of Finance programs, and Bachelor of Science in Agricultural Systems Technology/MBA have been approved.
- ✦ The **College of Design** received six-year accreditation for the Bachelor of Landscape Architecture Program from the Landscape Architecture Accreditation Board. The Master of Landscape Architecture received a six-year initial accreditation. This is the first time the Master of Landscape Architecture Program underwent accreditation review since the curriculum was revamped. The next accreditation visit for both programs is scheduled for Spring 2020.

Four new faculty members in the areas of GIS/geodesign, historical preservation, real estate, and scientific visualization joined or will be joining the College in 2014-2015 as part of the President's High Impact Hires Initiative. Housed in the Department of Integrated Studio Arts, the faculty member teaching scientific visualization is the first full-time, tenure-track position in the Biological/Pre-Medical Illustration Program, which is celebrating its 30<sup>th</sup> anniversary in 2014. Housed in the Department of Community and Regional Planning, the real estate position will be shared with the College of Business and ISU Extension and Outreach. The other two positions will also be housed in the Department of Community and Regional Planning.

The Design Studies 102: Design Studio curriculum for first-year students was revamped to introduce five new projects. They address design elements and principles, color theory, visual and spatial narrative, kinetic structures, expressive drawing, additive and subtractive modeling, topography, and landscape.

- ◆ The **College of Engineering** continues to update and add courses in response to the needs of constituents. The college has added course and faculty in two cross-disciplinary areas – translational health and big data.
- ◆ The **College of Human Sciences** continues to adapt to increasing student enrollment and the changing needs of students and society. The Apparel, Educational Studies, and Hospitality department name was changed to Apparel, Events, and Hospitality Management. Food Science and Human Nutrition reconfigured its food science major in order for all the options in the major to be approved by the Institute of Food Technologists. A minor in Food and Society was approved to provide an educational option for students outside of the physical and life sciences. The department of Human Development and Family Studies, in collaboration with other departments, established new Master of Science and Ph.D. programs in Gerontology. Kinesiology continues to adapt to the needs of students in its major, the second largest on campus. The School of Education continues to work on restructuring curricula; a Master of Education specialization in Mathematics Licensure was approved. The Master of Arts in Teaching in Science Education Program was changed to a coursework only program.
- ◆ The **College of Liberal Arts and Sciences** revised and updated curricula, often in response to faculty hiring and retirement. From 2013 to 2014, the LAS faculty had an increase in 19 B-base faculty members and an associated decline of seven A-base faculty. The Master in Public Administration Program and the Master of Arts and Ph.D. Programs in the History of Technology and Science were terminated. The Department of Political Sciences established a Public Policy concentration in its Master of Arts program. Experimental course development remains steady; during the past year, the LAS Curriculum Committee examined prerequisites for experimental courses because the university has seen an increase in the number of students entering with significant “early credit.” Current committee discussions have included the importance of being vigilant toward university-wide curricula and the corresponding implications when approving new courses.

- ◇ The ***College of Veterinary Medicine*** does not include new majors, minors, certificates, or discontinued programs. Most added courses support the Biomedical Sciences department's non-thesis Master's program. Other course changes reflect changes in staffing or curricular opportunities. The core curriculum for the professional veterinary did not undergo significant changes. As a result of assessment data and other current needs, the curriculum committee is working to implement more financial planning/business into the core curriculum, and is updating the process for coordinating courses between the University of Nebraska-Lincoln and ISU.
- ◇ ***Interdisciplinary Programs*** includes new Master of Arts and Ph.D. Programs in Gerontology; this provides an opportunity for graduate students to work with many aspects of an aging population that are not offered at other Iowa universities. The Gerontology programs continue the trend of interdisciplinary programs to bring together faculty from various departments and colleges to meet the needs of families, businesses, academia, and government agencies.